

Repo git : https://github.com/amineAAB/Projet_Docker

Dockerfile

```
FROM python:3.11.2-slim
WORKDIR /app
COPY . /app
RUN pip install --no-cache-dir -r requirements.txt
CMD ["python3", "app.py"]
EXPOSE 5000
```

docker-compose.yml

```
services:
  mariadb:
    image: mariadb:latest
    container_name: mariadb
    environment:
      MYSQL_ROOT_PASSWORD: "123456"
      MYSQL_DATABASE: "reunions"
      MYSQL_USER: "amine"
      MYSQL_PASSWORD: "123456"
    volumes:
      - reunions_mariadb-data:/var/lib/mysql
      - ./reunions.sql:/docker-entrypoint-initdb.d/reunions.sql
    networks:
      - reunions_app-network
```

```
python_app:
  build:
    context: .
    dockerfile: Dockerfile
  container_name: python_app
  environment:
    - FLASK_ENV=development
    - SQLALCHEMY_DATABASE_URI=
'mysql+pymysql://amine:123456@mariadb/reunions'
  volumes:
    - ./app
  ports:
    - "5000:5000"
  depends_on:
    - mariadb
  networks:
    - reunions_app-network
```

```
volumes:
  reunions_mariadb-data:

networks:
  reunions_app-network:
    driver: bridge
```

Exécution de Build :

```

amine@debian100Gio:~/tp_docker/reunions$ sudo docker compose up --build -d
[+] Building 8.6s (11/11) FINISHED
=> [python_app internal] load build definition from Dockerfile
=> => transferring dockerfile: 177B
=> [python_app internal] load metadata for docker.io/library/python:3.11.2-slim
=> [python_app auth] library/python:pull token for registry-1.docker.io
=> [python_app internal] load .dockerignore
=> => transferring context: 2B
=> [python_app 1/4] FROM docker.io/library/python:3.11.2-slim@sha256:2f749ef90f54fd4b3c77cde78eec23ab5b8199d9ac84e4ced6ae523ef22
=> [python_app internal] load build context
=> => transferring context: 276.18kB
=> CACHED [python_app 2/4] WORKDIR /app
=> [python_app 3/4] COPY . /app
=> [python_app 4/4] RUN pip install --no-cache-dir -r requirements.txt
=> [python_app] exporting to image
=> => exporting layers
=> => writing image sha256:173cf53deef4d515a1bc9455903e49d4fe6096117d855ce1b8a51c28f5d9c50b
=> => naming to docker.io/library/reunions-python_app
=> [python_app] resolving provenance for metadata file
[+] Running 4/4
✓ python_app Built
✓ Network reunions_reunions_app-network Created
✓ Container mariadb Started
✓ Container python_app Started

```

La page web avec : <http://127.0.0.1:5000/>





La page web avec : <http://localhost:5000/>

